

CLAIMS

1. A communication system for use in connection with a stationary communication line, the communication system comprising two input/output units, each
5 input/output unit comprising a first connector for connection of a communication line, a second connector for connection of an input/output device, a rechargeable battery and a third connector for connection of a charging voltage to the rechargeable battery, whereby the units comprise transmitters and receivers for communicating wireless a communication line signal in one direction from a first
10 input/output unit to a second input/output unit and in another direction from the second input/output unit a communication signal to the first input/output unit for input to the communication line.
2. A communication system according to claim 1, where the system comprises a
15 base station adapted for receiving at least one of the units.
3. A communication system according to claim 1, where the system comprises a base station adapted for receiving at least two units.
- 20 4. A communication system according to any of the preceding claims, where the base station comprises circuitry for controlling charging of a rechargeable battery in one or both input/output units.
5. A communication system according to claim 2 or 3, where each of the
25 input/output units comprises circuitry for controlling charging of a rechargeable battery in the unit.
6. A communication system according to any of the preceding claims, where a combined connector is provided in the input/output unit.
- 30 7. A communication system according to any of the preceding claims, where the input/output units are communicating with each other using a communication

protocol allowing change of the receiver/transmitter status of these during operation.

- 5 8. An input/output unit for use in connection with a communication system according to any of the preceding claims, the input/output unit comprising a first connector for connection of a communication line, a second connector for connection of an input/output device, a rechargeable battery and a third connector for connection of a charging voltage to the rechargeable battery, where the unit comprises transmitter and receiver for communicating wireless a communication
- 10 line signal in one direction to a second input/output unit and receiving from the second input/output unit a communication signal for input to the communication line.
- 15 9. An input/output unit according to claim 8, where a combined connector is provided in the input/output unit.
10. An input/output unit according to any of the preceding claims, where the input/output unit comprises a communication protocol allowing change of the receiver/transmitter status of two units during operation.